

Notice of Allowability

Application No.

10/826,140

Examiner

Phuc T. Dang

Applicant(s)

BRANDON, ERIK

Art Unit

2818

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed on March 26, 2007.
2. ☒ The allowed claim(s) is/are 1-27.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Phuc T. Dang
Primary Examiner



DETAILED ACTION

1. This application claims benefit of 60/463,064 filed April 15, 2003.

Request for continued examination (RCE)

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on March 26, 2007 has been entered.

In Request for continued examination (RCE), Applicants amended claims 1, 4 and 13 and added new claims 21-27.

Claims 1-27 are currently pending in the application.

Allowable Subject Matter

3. Claims 1-27 are allowed.

With respect to claims 1, 13 and 23, the prior art of record does not teach or suggest placing a polymer composite over at least a portion of the dielectric layer in an atmosphere to form drain and source contacts, the polymer composite having a conducting filler, in combination with the rest of the other limitations of claims 1, 13 and 23.

With respect to claim 4, the prior art of record does not teach or suggest depositing a polymer composite having a conducting filler to form a second contact pattern with the dielectric layer; wherein the second contact pattern is deposited using a solution-based process, in combination with the rest of the other limitations of claim 4.

With respect to claims 21 and 26, the prior art of record does not teach or suggest depositing a polymer composite having a conducting filler to form a second contact pattern with the

Art Unit: 2818

dielectric layer; wherein the act of depositing the polymer composite is performed by a printing technique selected from: stencil printing and inkjet printing, in combination with the rest of the other limitations of claims 21 and 26.

With respect to claim 22, the prior art of record does not teach or suggest depositing a polymer composite having a conducting filler to form a second contact pattern with the dielectric layer; wherein the act of depositing the polymer composite is performed with the conducting filler selected from a group consisting of: graphite, silver, carbon, conducting derivatives of carbon, and gold, in combination with the rest of the other limitations of claim 22.

With respect to claim 24, the prior art of record does not teach or suggest a polymer composite connected with the dielectric layer, the polymer composite providing a second contact pattern, the second contact pattern having a first portion and a second portion, where the first portion and the second portion are separated by a distance; and wherein the polymer composite is a polymer thick-film ink having a conducting filler, in combination with the rest of the other limitations of claim 24.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuc T. Dang whose telephone number is (571) 272-1776. The examiner can normally be reached on 09:00-17:30.
5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Minsun O. Harvey can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2818

6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Phuc T. Dang



Primary Examiner

Art Unit 2818